STUDENT'S NOTE BOOK. No. 602

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	Indef.	S. alb.	Seymour	Daphne	Duncan
			1+5		
[illegible]	4+2	3+6+5 / 2	10		
[illegible]					
Parvula	6	1			
[illegible]	6				
fuliginosa	1+5+5+5	11	1+1	1	3+1+13
pyrocephalus	5	1			1
P. [illegible]	7	1			1+1
Strenua	4				
flycatcher	3	1	strenua 2		flycatcher 1+1 / 2
fortis	1+5+5+8	17	2+9	1 / S. crassi 2	
warbler	2	4	1		
cormorant	10	3			
Yellow Crown	3				
ducks	2	1	2		
tattler	1	Egret 1			
L. fuliginosus	2	1			
Hawk	1	Curlew 1			[illegible] 1
Scandens	4+5+2+8	7	2+7	1	Certhidea 2
Certhidea	4+2+1	1		Tropic 1+3 / Booby [illegible] 1 / Variegated 1+1	
martin	1	1	1		
barn owl	1				
rail	1	stilt 1			
pallida	3	1			

48
2
60
79
38
63
14

304

Hood I's. Galapagos Sept 25

We ~~landed~~ anchored in Gardner

bay yesterday. Beck, Gifford

& Ochsner went ashore all

day.

This morning Beck, Slevin

King, Stewart and myself rowed

down to the south end of the

island had a very fair

landing place when the tide is

high, many rocks when low,

Beck and I went across the

island and down to the right

looking for young albatrosses

The birds are ~~very~~ common

and rotten eggs equally so

These eggs are laid apparently

in a slightly scooped ~~out~~

place ~~on~~ the ground. The

birds are found most commonly

in open places in the brush
where there is quite a clearing
The birds are seen mostly in
couples squatting on the
ground facing each other. When
first noticed many of them
were asleep their ~~head~~ bill
under the wing. When disturbed
they would go through some
slight fencing movements
clicking bills. Often they
would ~~couple~~ only rise up
on their ankles - the foot from
the heel down resting on the
ground. They are very
tame when approached they
go shuffling ahead. This
gait is interesting ~~the~~ as

the right foot is brought forward - the head is bent to the left (the left, to the right) the head is not stretched out in front except when running, but is held even at a backward angle. When angry the feathers directly above the eyes are raised slightly giving ~~a~~ expression to the face. They are noiseless when disturbed but a loud hoarse cry. Only one young bird was found. (by Beck) It is a blackish grey about half grown. About 25 old bird were taken.

Mocking bird. two species of geospiza ~~and~~ are very common. The anolians are particularly

inquisitive they even came up and tried to pick the warts off the back of my hand ~~when~~ When we were eating lunch they were very industrious after bread feed. Bread was at first not eaten but after several investigation they swallowed it. Seven or eight were investigating Stewart and I at lunch. The geospiza's are not as inquisitive. The little warbler Dendroica petechia is not particularly abundant but several were seen. Certhidea is fairly abundant. The little flycatcher is fairly abundant.

all except the last three were seen eating the pulp of the tree cactus. The little dove is also a pulp eater. These little fellows are very interesting. They are very tame. I saw one on the ground sunning itself. It lay over on its left side raised the right wing up so that the sun could shine on the under side. The large billed geospyza was seen looking ~~several~~ the ~~dead~~ branches of dead bushes. Its bill seems to be very well adapted to this sort of work. The head is turned to the side and the bird works with the side of the beak.

The hawk Buteo galapagensis

is ~~found~~ is seen occasionally and
only a dozen were seen. one
killed with the little collecting
gun. Shelbourx booby is
nesting on this end of the island
fresh eggs were the rule. They
nest on the bare ground
Man-o-war birds are also
nesting in a good sized colony
just north of the big rock
they have large sized young
birds at present.
Williams had only fair luck
insects not being numerous
on account of the dry season
a grasshopper is one of the
most noticeable insects.
Slevin had very good
luck. He took many

sea iguanas, lizards two
species, and a few geckos
also three snakes.

Hood

Geospiza fuliginosa parvula
" conirostris conirostris.
Certhidea cinerascens cinerascens.
Nesomimus macdonaldi.
Larus fuliginosus.
Fregata aquila.
Dendroica petechia
Creagrus furcatus
Anous stolidus
Diomedea irrorata (albatross)
Sula variegata
" piscator
" nebouxii
Pelecanus californicus
Butorides sundevalli. (heron)
Nyctanassa violacea.
Himantopus mexicanus
Haematopus galapagensis
Nesopelia

Buteo galapagensis
Asio galapagensis
Eribates magnirostris (flycatcher)
Phaethon aethereus

Sept 26 - 1905

8 D. inotata.

Sept 27 - 1905

3 Nesopelia galapagensis

1 Arenaria interpres

6 G. fuliginosa.

5 G. conirostris

1 Certhidea cinerascens

2 Buteo galapagensis.

Went ashore near where we are anchored. Did not get very far from the shore but got enough birds to last the remainder of the day. Birds were not particularly abundant in the land.

Sept 28 – 1905

Went down to south end of the island this morning. I shot a big buck goat shortly after landing then went down to the big rock looking for shearwaters and tropic birds in the rocks did not find any. Beck found one red billed tropic B. along the rocks in the cliff on the east side we found many of the small shear with S. obscurus We took a number of young man-o-war birds of various ages. There are no very young ones they are for the most part fully grown but not strong enough for flying. Took a few young pelicans [?] booby.

[illegible]
Fly catcher doesn't seem to
[illegible] only [illegible]
are during the day.
The Little warbler seems to
crave more of the fly catcher
habit than usual he takes
insects on the wing very often.
Warblers are as inquisitive
as ever. They will eat
almost anything in the shape
of meat. One carried away
a lizard that I killed that
was nearly as large as himself

[illegible]
G. F. [illegible]

Sept 29 – 05

Skinned

2 Red b. tropic birds

1 blue-f. booby

1 Man-o-War

2 P. Vacina.

In the A.M. went ashore on Gardner island. Birds in places are quite numerous. Did not see any flycatcher other-wise the birds are the same as on the main land.

There is a very striking difference in the size of the beaks of both species of Geospiza. The gree-bird range in with the Conyer.. I shot one that had the wing nearly ½ inch shorter.

I shot a Yellow crowned night Heron in the bushes.

Skinned

2 Cedarbirds

2 Warblers

2 S. fuliginosa

6 Cowbirds

4 Yg. Crow

Sept 30 – 05

Went ashore on Gordon island in the morning. Did not find birds very numerous around cactus. But up on a level piece of land – they were very numerous. When the tide was low there, were also many birds feeding on the rocks.

Skinned

23 – conirostra

3 – cactus

1 – Yellow C. Lan

1 – Mocking bird

1 – Dove

October 2 - 05

Went ashore on Coast island along shore there are a number of birds warbler cettlesdior, crossotan. fuliginosa and doves. There were not many birds in the crater. Very cloudy and drizzling rain in the forenoon.

Skinned.

9 Crossotha.
1 Warbler
1 fuliginosa
1 Owl
6 Snakes
3 Doves
1 Turnstone.

Oct 3.

3 albatrosses.

Oct 3.

We left our Hood island anchorage last evening about 8.30. Sighted Gardner island (Charles) about 2.30 a.m. Did not reach it until about 9.30. Rather high surf running but a boat was put off. Beck, Slevin, King, Williams, Ochsner, Nelson, and myself. Found a rather difficult place to land but landing was safely made. We picked our way along a ledge trying to find a way up the cliff. King and Williams took a higher path. Beck, Slevin, & Ochsner were ahead of me. Just as Beck and Slevin climbed up on a ledge about 4 feet higher

-them myself. Icliner about on the same level with me and further ahead. Two heavy swells came in the first one came up to about my knees The next wet Glenn about to his knees. It swept me from my feet I grabbed the rock with one hand ~~and~~ but saw that I was slipping dropped my gun and grabbed with both hands but the slippery rocks afforded no hand hold. I saw that I was being swept out with the surf and yelled "I'm gone" just then my foot struck a small crack and I stopped and quickly got up to where Beck and Glenn were. Lost

any guns. Ochsner was a little farther, but luckily grabbed a small rock he got wet all over but got through safely without losing anything. We picked our way with difficulty up the side of the cliff. King and I found a difficult way up into the higher part of the island. The rest of the fellows went back and took the boat and landed in a much better place.

Birds are not so very common. The most abundant species is the man-o-war bird. It is nesting all over the side of the island on low bushes.

Mocking birds are quite common. They have a ~~note~~ a call or

alarm note much like a very
loud ~~call~~ note of the shore lark
There are ~~two~~ several species
of Geospiza I have not
identified them as yet. ~~There~~
~~are a number of~~ the common
fuliginosa is ~~one~~ quite common
a very small one is not
at all common only one or two were
seen.
A large billed species about
as large as G. crassirostris is
not common one was secured
G. fortis is quite common
Doves are common several
were secured.
One "owl" (A. galapagoensis)
was seen but not secured"
A small heron ([illegible])

were seen but not secured
The mocker is not as
inquisitive as the species on
Hood island.

Oct 4 - 05

Stayed on board this a.m. and skinned birds.

2 dozen Gardner

1 S. podilizsalas — Gardner

2 fortis

1 " No 1

4 Mockingbirds . Hood

1 Variegated " "

2 Tatlers " Chatham

3 Flamingoes Charles

Two nice bunches 15 & 11 came out near the boat. Beck and the mate went down to Cormorant point and got 7 flamingoes. They honk are made much like a brant goose. Had fried flamingo for supper very much like a mallard.

(Charles?)

Geospiza p. prosthemelas + (Knell)
" pauper +
" psittacula townsendi +
" crassirostris
" f. parvula +
" fortis. fortis +
" f. simillima *
" angustirostris
" s. scandens
" dentirostris (a)
" brevirostris (c)
Certhidea olivacea ridgwayi
Spheniscus mendiculus (Penguin)
Larus fuliginosus
Pelecanus californicus
Poecilonetta Bahamensis (duck)
Phoenicopterus ruber.
Butorides plumbeus.
Nyctanassa violacea
Mesopelia galapagoensis

Fregata aquila
Dendroica petechia
Coccyzus melanocoryphus
Eribates magnirostris
Pyrocephalus nanus
Dolichonyx oryzivorus.

October 5-03

Went ashore in Cormorant bay
There were a few ducks, but
wild, on the Lagoon. I shot 2
& 5 of. A few flamingoes were
also seen one I shot. Did
not shoot any small birds
on account of losing my aux
Shore birds are quite common
around the Lagoon. Stilts in
good sized flocks. a few
Sanderlings.

October 6 -

Went ashore ~~in~~ Cormorant bay

There was a nice bunch of ducks in the end of the lagoon toward the ocean I killed eight of them two got away. Three flamingos came and lit out in the middle of the lagoon I went after them they allowed me to walk within about 75 yards then began to get a little restless so I shot got 2 with the 1st & 1 with the 2nd barrell. Two were very bright plumaged adults. The flamingo is a slow graceful bird when allowed to have its own time but when forced to run its legs get tangled up. While standing out in the lagoon they

look very pretty.
~~At~~ Shore birds are numerous
around the lagoon.
Small birds are quite numerous
on the upper end of the lagoon is
a small valley pretty well filled
with trees.

Oct 7-05

Stayed on board all day skinning birds.

4 ducks.

36 birds all told.

Oct 9-05

Saturday P.M. we pulled anchor and sailed around the point and dropped anchor in black beach west bay.

Went ashore this aftn. up the hill

~~Oct~~ 9

There is a belt from sea level up to about 600 feet where cactus and thorn legume trees are prevalent, above this to about 1200 feet is a belt of different vegetation from this to about 15 or 1600 is another and then up to the top (1750) different

Geospiza fuliginosa, intermedia and fortis are common up to about 1100 feet. These 3 species will be seen in large flocks. These with prosamalis are about the only ones seen ~~as near to sea~~ ~~400~~ below 9 or 1000 feet

Where the oranges are

about 11 or feet. formula
will be seen accordingly.
I did not see any alteration
in cactus. The two
little fly catchers are very
common and tame they can
be knocked over with
sticks. I circled around
on the ~~east~~ west side of the
brown mountain and up
on top from the South side
There were several
martins and one barn
swallow around the top
About 3 martins could
not shoot the swallow

Oct. 14. -05

We dropped anchor 3..30 in Welch bay. about a mile from the end of the wharf. The Governor secretary -, Lieutenant and ~~Capt~~ Beck went ashore in the gig. The soldiers and Slevin & Ochsner went ashore in the ~~sk~~ skiff. ~~Hunt and~~ Beck went out in the boat in the forenoon and shot 24 or so shearwaters. Slevin got eight in the afternoon.

Oct 15.

Sunday. Spent the day on board put up awning. repairing shoes, guns etc. In the P.M. the manager a ~~German~~ Mr. Sang engineer and three other men came on board. ~~W~~ They invited us to visit the

sugar mill and the settlement

October 16-05

Went ashore this morning Gifford intended to come back at 12 oclock. Beck, Williams and the manager rode up on horseback to the hacienda. Ochsner, King and myself walked up. The road from the beach up to the settlement is for most mighty rocky there is one steep hill just outside of the gate into the cultivated land. A misty rain began at about 500 feet and continued until we reached the hacienda The sugar mill is on the east side of the settlement. It

has an average capacity of 1500 bags per month. 3600 were shipped last month.
After seeing the mill we went to call on the acting governor and secretary. Their office is in a old ram shack of a building of sheet iron on the west side of town. We were treated with great respect. The 20 or 30 soldiers were turned out for our benefit. They seemed to be well drilled but their uniforms were somewhat worn. Beck took two pictures of them. After we left here we went back to the mill. Ochsner & Kenny and myself started down. I shot about 20 birds on the road down. Scorpions

parvulus. fortis, fuliginosa
chas   are rather common
several cuckoos were seen.
Warblers are common. The
little red flycatcher is quite
common and tame. The large
billed fellow is not as common
but is tame. Birds are
most abundant at about 500
feet to 800 elevation. the
mocking bird is abundant and
seems to be mating at this time
a few Certhidea were seen.
Did not get back on board
until late in the afternoon
skinned 13 birds.

October 17.

I took the letter up to the hacienda. The governor secretary was in his office. Had quite a conversation with him through the interpreter. Went from there to the store could do no business with them so went over the hill to the left to some small ponds. There were a number of gallinules on one of these I shot one. Three seen were out in the water of a small pond - they were quite wary and quickly made their way into the grass. ~~Went back to~~ One plumbeous heron was seen. Went back to the hacienda had dinner with Mr. Sing and the manager. Reached the

ship about 3 P. M. then
the road down shot several
birds.

Oct 18–

Went ashore in the am and
followed along the road till
up as high as the hill then
walked over the territory on
the ~~left~~ & right side of the road
Birds are not very abundant
Many in fact nearly all have
a peculiar disease of the feet
the anvilers are quite badly
aflicted. Certhidias are
not common three or 4 were
shot. Anvilers are quite tame
In the P. M. skinned birds
About 3 30 pulled up anchor
and moved in to the end of

the whaling sounded on ~~the~~ a
anchor that was there. At
about 8.30 Beck in his
usual way had us pull out
for Bonington. Suppose
he considers that we had not
done a full days work.

Oct 19.

Spent the day sailing back
and forth on the south side
of Bonington could not
make a ~~landing~~ anchorage

Oct 20.

Dropped anchor on N. E. end
of the island. Went ashore
about 9^20. Birds are
not common. Only saw
2 G. scandens indefatigabilis

3 catbirds

1 flycatcher this bird was acting very much like a thrush or ground bird ~~looking for insects or~~ running around on the ground.

2 doves.

Went ashore in P.M. and set traps.

Saturday Oct 21.

Went ashore 6.30. Went up 1st valley beyond 1st ridge found birds quite numerous compared with yesterday. no new species except S. fuliginosa were observed. The fuliginosa were feeding by themselves. One flycatcher was seen but

not secured. I killed
17 birds — skinned them and
2 rats in the P.M.
In the traps I set yesterday
there were 8 rats only 2
were good the remainder have
been partialy eaten by other
rats or ~~fr~~ beetles.

Sunday. Oct 22
Stayed on board boiled shells
and spent the day reading.

Monday. Oct 23
Went ashore 6[30] and went
into the same valley that
I visited Saturday further one
I found birds abundant.
fuliginosa were quite common

undefatigata abundant.
doves very abundant
One dertra was seen
One flycatch.
One. owl. 2 certhidia
11. undefatigata. 3 doves
9 crawling birds.

A undefatigata was shot and wounded another bird of the same species almost immediately flew down on it and began pecking at it. The wounded bird flew followed by the other. The former took refuge under a root and was viciously attacked by the other. It was scared away when I tried to grab it.

Two Anolis were seen eating a dead iguana

Tuesday Oct 24

Went up into the interior looking for birds only shot one. Small birds were not as abundant as they were yesterday. fuliginosa was fairly abundant also indefatigata. arachea a few certhidea were seen. The traps I set near the landing place yesterday eve had seven good rats in them. I set them in pairs, think this is better for there is less likely hood of the ~~[illegible]~~ 1st one caught being eaten. All the traps

sit were within a radius of 20 feet.

Pulled up the anchor as soon as we got back to the ship and were sailing at 12 o'clock.

The land iguanas ~~on~~ on this island are peculiar creatures. They are of a light tan color more or less scattered all over the end of the island we were anchored on. They run with considerable speed a lumbering gait.

Insects are not numerous flies around the beach are thick.

Hair seal were quite

abundant near the landing place. They are as usual very tame. Two or 3 very young whelps were on the beach.
Rats; the small galapagos rats are very abundant and seem to be rather well distributed over all the part of the island I saw.

Tuesday Oct 24-05
Indefatigable. Dropped anchor in Porta de la Aguada at about 3.30. This is a very exposed anchorage a heavy swell setting in from the ~~S.W.~~ S. Dropped anchor about a mile off shore in 7 fathoms

Beck, Ockerson & Williams
and the truth went ashore
to see if there was any
fresh water. found some
but rather brackish.

Wednesday Oct 25 - 05

Went ashore about 6:30
in the sail boat. Took
the trail that Beck
formerly used in 01 for the
high hill about 3 miles in
fairly rather indistinct
Beck found one tortoise
a small one about 75
pounds in weight just
a few feet off the trail
and near the hill
We searched for some

but some were found
which lute in the afternoon
when two are weighing
about 500 pound and another
about 800 were found not
so very far from the first
one.
King and I pushed out
the small one. had a
rough time of it around
the good trail took us
about 3 hours to get down.

Oct 26. - 05

Went up to where the
turtles were found and
hammered them out.
Beck, Slevin, King, Nelson.
William, Stewart, Ochsner
and myself took lunch about

pecting. They went
much easier than I had
expected got down in
about 2 hours.

Indefatigable Oct 27-05

~~One~~ Hawk. ♂

at least 2 centipedes. and traces of a Scorpion.

Hawk. ♀

Remains of a warbler.

Hawk ♂.

~~W~~ warbler, centipede & trace of grasshopper.

Hawk ♀

empty.

Hawk ♂

warbler remains of mouse or rat nearly ready to disgorge

Hawk ♂.

rat ready to disgorge.

Hawk ♂

empty

Hawk ♀

warbler & centipede

Indefatigable Oct 27

Went ashore in a.m. worked along shore to the left of landing the brush is very thick ~~between~~ along the the ~~to~~ rocks. Birds were quite abundant along the rock the tide being low. Certhidea are abundant. fuliginosa, [illegible] pallida camarhynchus are also common along on the rocks. One nest of Great Blue heron was found in mangrove tree about 4 feet above high tide nest contained one young about the size or a little larger than a

plumbeus[illegible]. Both
old birds were shot only
one was secured the
young one was taken.
West [illegible] a young
bird very small.
The following birds were
seen.

~~[illegible]~~ Semipalmated plover 2
Wandering tattler 6 or 8
Bristle[illegible] Curlew 2.
plumbeus Curlew common
turnstone 3
frigate bird several
pelican "
S. [illegible] "
Oyster catcher one
Cuttlewater common
Yellow warbler "
G. [illegible] [illegible]

Crimson flycatcher

Oct 28 - 05
Skinned short small birds
in a.m. Certhidea,
~~[illegible]~~ prostornalis [?]
I stayed on board and
skinned birds.

Oct 29. Sunday
Pulled up anchor and
set sail for S. Albemarle
at 5^{30} a.m. this morn.
almost reached anchorage
at night. Passed Crossman
islands and Brattle. In the
p.m. Sailed all night

and about 8 a.m. Thursday Oct 30 put out small boat and landed on Bristtle. Rowing about a mile & a half on account of Parkers caution.

Bristtle Oct 30 - 1905

Landed on the N. side of the island. It is about half of the rim of an old sunken crater about a mile in diameter at the base the rim cannot be much more than ~~60~~ 3 or 4 00 feet through. The side is very steep and covered with loose sliding rocks and a small amount of soil. A few scattered bushes about

4 or 5 feet high. There are perhaps all-told 20 species of plants on the island at no place, willing thick but are scattered. There are apparently four reptiles. Sea iguana, a lizard a gecko and a snake specimens of all were taken. (2 snakes 4 geckos) Insects were not abundant the most conspicuous is the large black grasshopper which we have seen on all of the islands so far visited. There are no land shells on the island.

Specimens of a Penguin

green carabid or tenebrionid were found.

Birds are not numerous as to species. There is not enough brush to suit.

The following were seen.
Galapagos Albatross
Same [illegible] comm[on]
[illegible]
Creagrus [illegible] common
[illegible] tern
Man o war bird ''
Red-footed booby ''
Warbler (Geospiza) a few
flycatcher ~~are~~ two
[illegible]
Yellow crowned heron common

The finch birds are apparently through breeding a few [illegible] were seen with breeding sacs

The boobies have mostly

An owl or hawk pellet was found composed of grasshopper legs and the hinder portion of the skeleton

young of a few days old Gulls were apparently not nesting.

The three land birds were most common on the side where we ended the opposite slope not having as much vegetation.

The fulgrosa showed very evident signs of ~~seein~~ breeding. The gulls also showed signs.

The flycatcher showed no signs.

Oyster catcher
Wandering tattler
small petrels
Were also seen.

S. Albemarle Oct 30

Dropped anchor in Turtle Cove in the P.M. The anchorage is from about half a mile [illegible] to the settlement. 2 fathom of water where we are anchored. Did not get ashore at all today. Beck, Coleman & Nelson went in to see the Major. But he was up at the hacienda.

S. Albemarle Oct 31

Did washing in a.m. and helped [illegible] scrape the side of the schooner. In the P.M. went ashore for a couple of hours [illegible] in the canoe among the mangrove trees near the anchorage

Bushes not very thick
except in places behind
it is block lava cover.
There are numerous deep holes
in the lava with brackish
water many of them are full
of moss or water plants.
A few lizards were seen
signs of goats, and dogs.
Birds are not numerous
at this time of the day.
only 9 were shot.
Warblers seem to be chasing
each other as if they were
mating. They were quite common
Geospiza fuliginosa is
also common. Ground dove
or whatever the form is
is quite common. ~~often~~ They

all showing signs of breeding
Chamaeadae is occasionally
seen they show large testes
in the ♂ and well developed
plumage.
Bushtits are quite common
they are evidently mated
I saw one carrying sticks
they are evidently starting
nest building. The testes
and ovaries are quite large
the ♂ singing much.
One great blue heron was
seen.
Large billed [illegible] were
common also the little
red fellows they do not
show breeding signs.

S. Albemarle.

November 1 '97

Went ashore at the settlement and went down along the coast to the left. A large lagoon extends || with the coast. The edge is grown up thickly with mangrove and other trees. The bottom of soft mud and quick sand so that it is particularly delightful getting around in it. The brush otherwise thin on the edge is easy to get thru. There were more polygonums than any other species. The following birds were seen.

Stilt
Pelican one
Plumbeous heron many
Large egret 3 Gifford
Gallinules many
Flamingoes 2
Ibises many
Hudsonian curlew many
Willet one
B. B. plover 2.
Sanderling
Semi-palmated plover
Warbler many
Nesomimus "
Geospiza "
Spilis ? "
Camarhynchus 2
Dolichonyx one
Pyrocephalus several
Least sandpiper "
[illegible] "
Osprey [illegible]

Himmed

4 fritis

1 dubbin

1 [illegible]

2 ducks

1 curtain

1 stilt

2 movelen

S albemarle Isure 2

Went ashore @ 4 pm. and up the trail about a mile to the first cultivated place beyond the lagoon.

Fortis and fuliginosa are very common around the cultivated ~~pastures~~ land feeding on the ground both species were seen eating of the green watermelons. There is one fuliginosa that I shot today that is different in some ways from the regular light and with a dark beak. It feeds among the bushes much like a certhidea not being much on the ground.

Crassirostris is not common but a few were seen; a male

is made in regard to the say in my pocket note book.) Then I saw lobby were feeding on the small wild tomato. The one watched would get a berry from the inside of the bush then come out and crush it against a twig wiping its bend [illegible] of the [illegible].

Bell vireos were quite com. and their [illegible] [illegible] call was quite often heard when they were startled by a shot. Ducks were quite common and some one lit within 12 feet of me and investigate me.

A spotted sandpiper was seen [illegible] [illegible] short

also I think a Bonds

sand piper.

One great blue heron was

seen. Plumbeous heron

common.

Gifford shot one egret.

and an osprey.

I saw both curlews +

turnstones alight in trees

Skimmers

9 Forsters

3 warblers

1 L. fuliginosa

4 fuliginosa

3 anaethetus

S. Albemarle Nov 3-

Went up into the same region today that I did yesterday.

Birds were about as thick as yesterday. They were most abundant in the small cultivated patches. Fotis scandens, fuliginosa and chlororhynchus and prosopeaulis were taken.

In one end of the lagoon I saw a egret about 90 yards out in the mud & when I saw it was no use to shoot it, then I then threw a piece of lava at it and it flew to the top of a dead tree on any side of the

lagoon. by a little sneaking
I was secured. It was
a female in ordinary plumage
the ovaries were slightly
developed.
These birds were fairly
common in the small ponds
in the lava fields
Scudding, semi palmated
plover, Black bellied plover
curlew, stilts, least
sandpiper, tattler were
seen. Besides these
Wilson phalaropes. These
three were swimming in
a small lava pond. They
were shot by Gifford.
Plovers were quite common
they seem to be all in
pairs. A nest (old) was

found which I think likely
a duck. It was on the bare
Crest ~~between~~ in a slightly
lower place than the
surrounding. It was of

grass
Lined a
diameter inside of ~~5~~ 5 or 6
inches. The outside being
about a foot depth about
an inch.

Birds were not common
in the grass and bushes
in the Crest field prefer
those there were [illegible]
pyrocephalus, and fuliginosa
are very good flyers
A plumbeus [illegible] was
[illegible] it had well

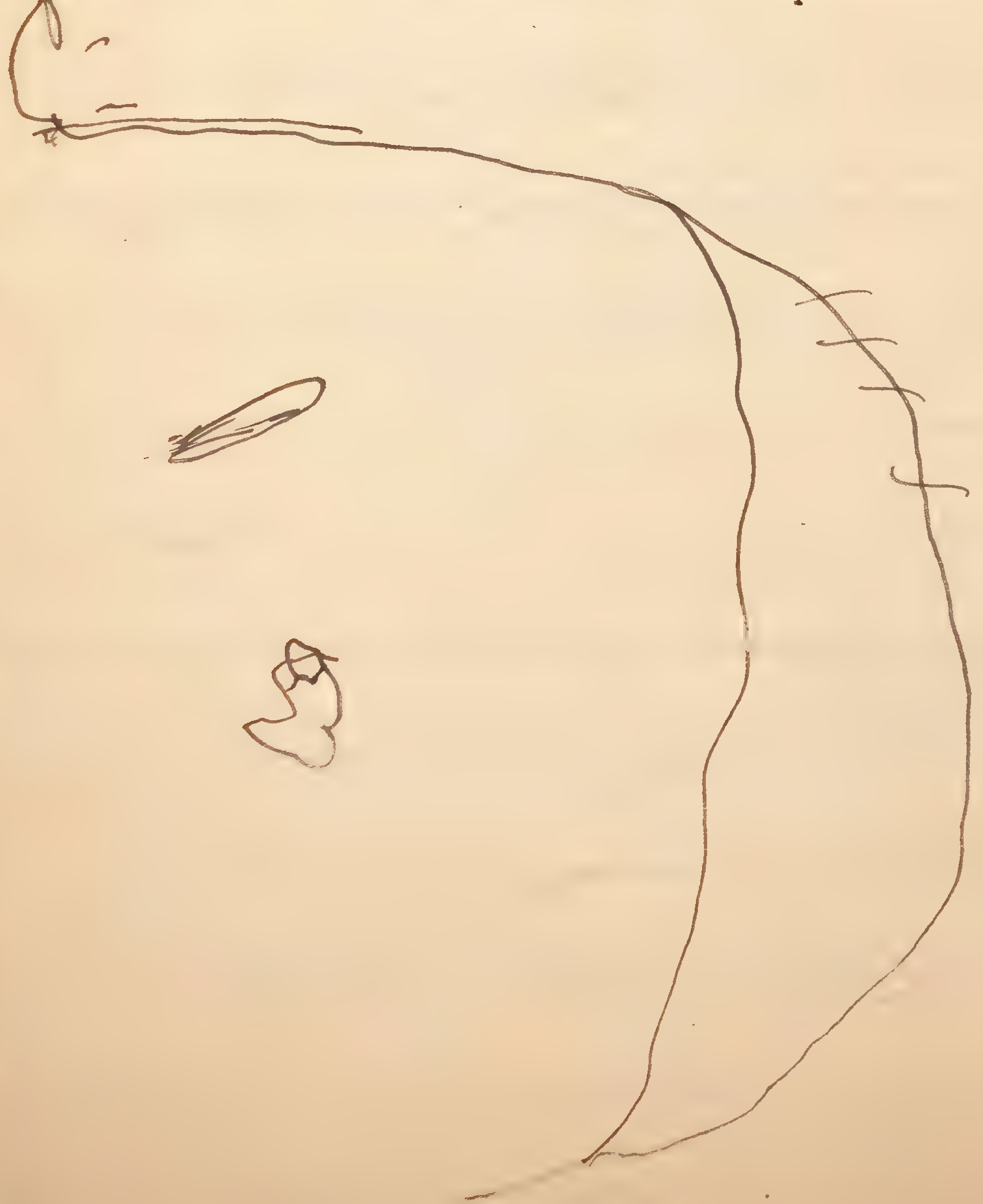
developed testes
Chionomedes shows
signs of breeding.
~~Apparently~~ Presumely
seems to be rather uncommon
only two were secured.
Today we began to preserve
birds in alcohol. Entire
Genera
The following birds were
skinned.

1 Prosimula
4 Fulignaea
4 Robin
Scardina
4 ~~[illegible]~~
1 Plumbeous heron
1 egret
3 aurelian

S. Albemarle. Nov 4
Pulled up anchor this morning about 7.30 Wind fine for getting out headed for west side of Indefatigable. Fixing up breeding records during day. On watch at night.

Indefatigable Nov 5
Found an anchorage about 4 miles below Porto de la Aguada. behind a sheltering point. Very good anchorage in 13 feet of water. Struck a rock in getting in but did

no house. heads off to the left. We climbed the bay academy. as it is about accordin on the maps.
Can see 2 pelican inlets from the boat. We are only about 200 yards from land.



November 6.

Went ashore on 2nd point below anchorage. Did not find many birds close to the shore it is fairly decent ~~desert~~ traveling but back away it is very difficult on account of the brush and the rough lava.

There are numerous small canyons between the point and the anchorage. They are all salt canyons. In two of them the people from the other island have been making salt.

There were quite a number of sandpipers in one place. all told

about 20 turnstones several tattlers. ~~bete~~ semi palmed plovers. least sandpiper and half a dozen curlew. There were also 5 ducks they are very unselfish running toward one to investigate. They soon become cautious however as when once shot at they are more difficult to approach. I shot 4 them at one shot with two 12. and one with any amy. The shore birds are very wild it is difficult to get with in 75 yards of them when flocked up. The curlews are tamer C[illegible]

do not allow of to
close acquaintance.
Along in the mangrove
trees are a few pelican
Crows, three killed
show very marked signs
of breeding, large ova
and testicles. The
ducks shot also show
large development of
testis + ovaries.
One S. B. heron was
seen.
S. fulvigula was seen
along shore 3 were shot
one showed very large
testis the other two (♀)
did not show very
large.

Land birds were not numerous. The most common was Spindalis and mocking birds. They are all rather tame. The mockers not as impertinent as in Florida but still tame.
Yellow warblers are rather common. Three or four flycatchers were seen and 2 [illegible]. Two catbirds. These were just in the edge of the trees along side of the lagoon. Two grosbeaks were seen in the mangrove trees and one was shot.
One sanderling was

taken, eating an unopened bud on one of the opuntia trees. One lizard was seen but not shot. Several doves were seen flying but none were shot. The following birds were skinned:

4 fuliginosa
1 parvulus
1 pyrocephalus
6 assimilis
2 G. fuliginosa
2 ducks
1 : [illegible]
2 [illegible]

Indefatigable Nov 7-05

Went into the interior in the Conway Bay. Landed first near the old shed. The place is very well vegetated but there are open spots covered with grass. Birds are quite abundant. The first ones seen were crassirostris near a deep water hole about 60 yards from the shore. They were feeding over the ground. Later they were seen to eat the stamens, petals and pistil from the passion flowers. Several of this species were seen in this immediate vicinity. Four of these were shot

they are much similar
in tameness.
A P. mormalis is quite
common they were seen
walking in the bushes
near the ground going over
bushes much like chickadees
or certhidias. They are
some what wild not being
as inquisitive as the arvalis
and fuliginosa.
Certhidias are rather numerous
several were seen and
two shot. They are for
the most part in poor plumage
all these seen were taken
near the brush.
~~Pyro~~ Pyrocephalus was
~~quite~~ seen two specimens

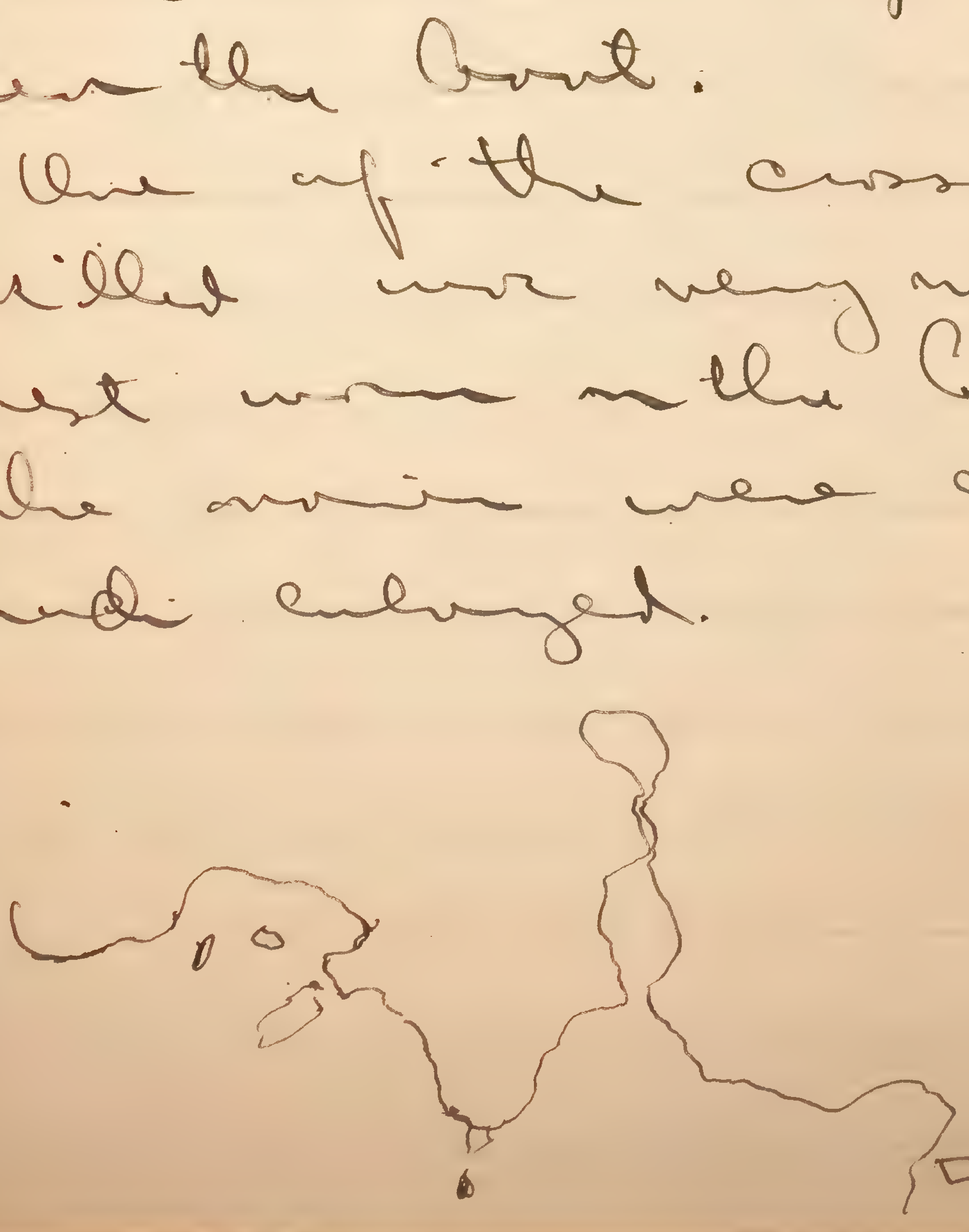
one was pecking a good
sized green caterpillar
to pieces before eating.
P. ruralis is quite
common in the brush
five were shot one of was
in fine plumage the others
were in rather worn plumage
Only one flycatcher was
seen.
Swallows were quite common
I saw this I went up
through the lagoons and
landed at the upper end
and followed until I could
climb the bluff then
followed brush along the
upper side of the bluff
and across the peninsula
to the boat. There

were quite a number of plumbers herons and great blue herons and pelicans on the trees along the side of the lagoon. They ittlemn hoarse croakes as we came past. Just before I climbed up the bluff I saw a pollada but could not shoot it on account of being to close. Scanderms was quite common and is singing quite commonly. I shot one also one small finch that was feeding ~~on~~ ~~the~~ in the brush. The Conz finds we shot several were

seen. The are short, but very large testes and was shot on an unfinished nest in cactus about 12 feet from the ground perhaps it was not its nest. No female was seen.

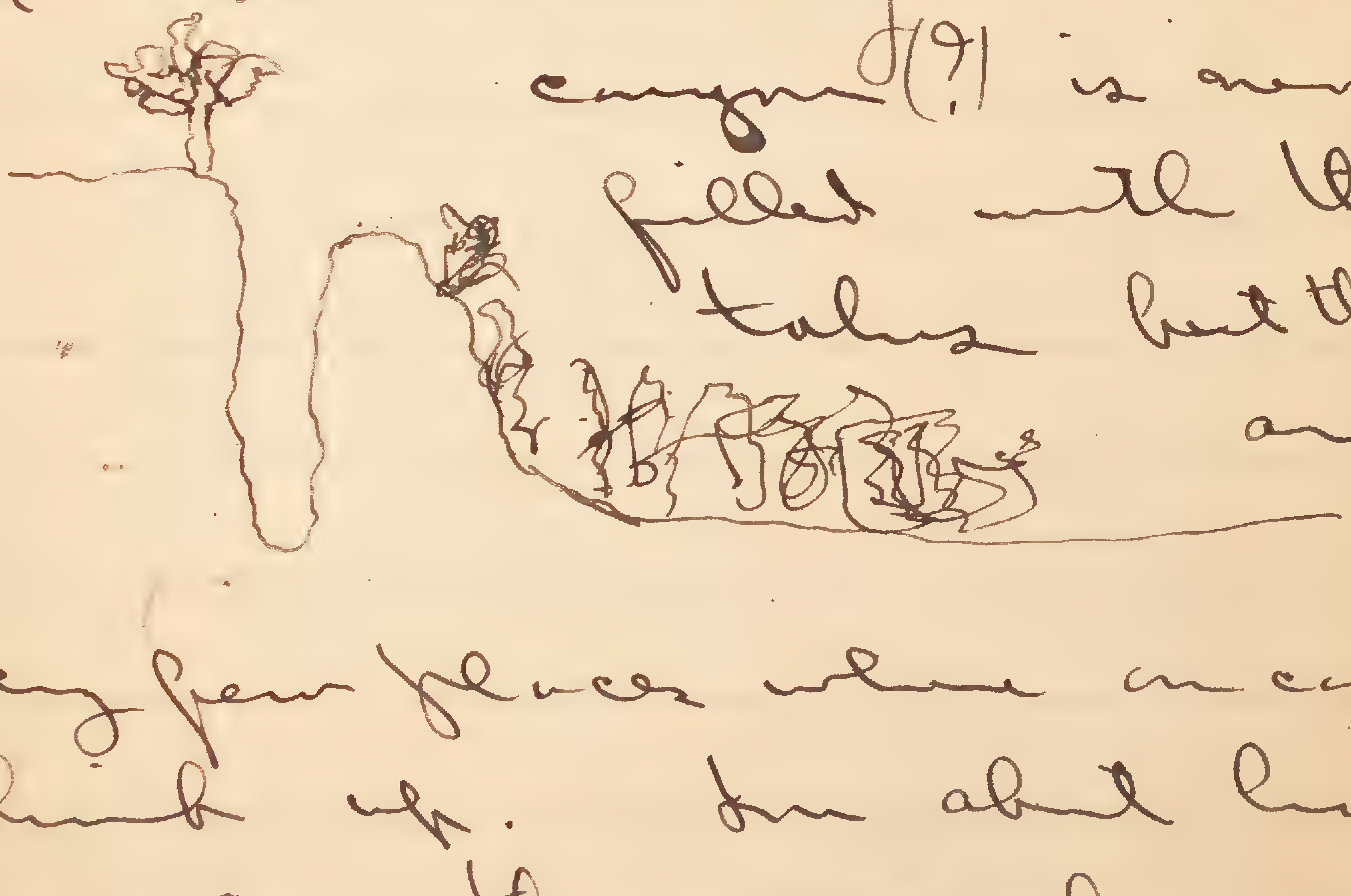
One thrush was shot near the large lagoon near the boat.

One of the crissalis (♀) killed was very much nest worn on the belly. The ovaries were not much enlarged.



Indefatigable Nov 8-05
Went ashore in the lower
Birds were not as numerous
as they were yesterday
Scandens was the most
abundant. The males are
singing; two
[illegible] were seen
in the region above the
mangroves.
Pyrocephalus is quite common
they were mostly in the
lighter plumage. Mockers
are very common. There
are not many fuliginosa
nor other Geospiza except
scandens a few
crassirostris and fortis
The structure of the ends

is peculiar. There is a high cliff in places a hundred feet or so high close beside it is a secondary ridge not as high as the main, from this ridge it opens out into the main valley. The



canyon (?) is nearly filled with the talus but there are very few places where one can climb up. For about half a mile the secondary ridge seems to be leveled out and the main cliff seems to level out further. Where the deeper holes are there is more or less vegetation

around one place where there is considerable water there are at least 3 or 4 of them.
Cottontails are quite common around the deeper places in the canyon.
One hawk was shot near the beach by the canyon. In the stomach was the remains of a centipede and a duck the two feet were all that was identifyable of the duck they were severely mutilated

Nov 9 - 05

Went up in the interior where Beck and Slevin are camped to take H2O & grasses in. Orcas & I went in.

Saw several pallidus and crassirostris going up. Certhidea are quite common all the way up. Nesomimus are quite common and Camarhynchus there are a few doves but not many. Hawks are quite common. Fortis is seen once in a while and also fuliginosa.

Pyrocephalus on dubius are fairly abundant all the way up to the tortoise country (southeast)

When we reached camp

found that ~~two~~ 3 tortoise had been creating one Cage one about 1~~20~~ to 150 pounds and a smaller one about 20-25 pounds. (skinned) and a very large one about 3.5 value. We finished cleaning the two smaller and packed them out. Hen, Cross, Wellman & myself. Stewart helped a little.

We reached shore about 5 o'clock.

Beck reports 4 bunches flying around camp the night before. He hit several with rocks but could not secure any. They were quite inquisitive coming

and camp very warm.
Other birds are not abundant
near the turtle ground.
Jeffords sent down a few
birds from up higher. Two
pallida a crassirostris and
a small Geospiza larger
than fuliginosa and a
beak like scandens but
much smaller. These are
not many in the region that
he was but are more
lower region.
The spotted rail is quite
common but difficult to
secure on account of so
much vegetation. He secured
several.

November 10-05

Went up to get the other turtles. found that Beck had secured 2 more. one medium sized one (150) and a very large one. Ochsner & King started down about noon with the smaller ones while Slevin & myself went down to skin out the large one. we started out about 4 P.M. reaching home about 6. Did not see any new birds except one ~~small~~ medium sized grosbeak — that is different from any other I have seen. ~~While bo~~ It was feeding when

joint above. would
throw the leaves and trash
back with a quick backward
of both feet.
One another was seen
with a stick in its beak.
Yesterday six another were
seen in a fight. All that
showed was a ball of
tails wings and feet could
not see what was the
cause of the fight but it
probably was just the
pugnacious spirit of the [illegible]
Beach seemed 3 brown owls
last night. Suffered
for two weeks a number
of pollinia and [illegible]
[illegible].

November 4-05

Went in to the big tortoise and packed him out.

In the forenoon I cut trail from main trail to tortoise

Birds were fairly common

pallidus are seen once in a while they feed some what like a woodpecker looking into cracks and pecking apparently insects I have not seen any around the cactus.

I have not seen any prosomalis ~~around~~ above about 75 feet

Certhidea are common from sea coast up to as high as I have been (250 feet)

Pyrocephalus is common

all the way up. They are
mostly out in the adult
plumage.
Young ~~[illegible]~~ is quite not as
common as Pyrocephalus
which are very common they
go through the brush
picking up what ever they
find, apparently mostly
insects ~~[illegible]~~.
Three or four hawks were
around the big bottom they
had been eating the meat
One was caught and
kept for some little time
it became quickly
accustomed to handling
and did not offer to bite
my glove after a few
minutes

November 12-05
Sunday stayed on board

November 13-05
Went ashore am in
second bay. Shot birds
Certhidias, camarhynchus
geospizas warblers &
pyrocephalus. One
yellow crowned night
heron and several
plumbeous heron.
In the P.M. I skinned
birds.

November 14-05

Went up and packed out a big totem alone with Stewart. Big enough Friday for the whole crew according to Beck but take stuck up so that we two could take him. Headed to Lunch.

Nov 15-05

Stayed on board & skinned the birds gathered about yesterday

Thursday Nov 16

Went up the trail with King and packed out a small tortois.

Friday Nov 17

Pulled up anchor this morning and started for the anchorage beyond Gordon rocks. Did not get out of Academy Bay until about 11 oclock. Reached anchorage near Gordon rocks about 4 ^{30} P.M.

Saturday Nov 18

Went ashore this morning found this part of the island much different from where we have been. There is more soil but much dryer. Much less brush. plenty of rocks but all well worn. Cactus near the shore is not abundant. Indeed few plants are found and are well scattered. Insects are not common The common large grasshopper and a few winged [illegible] were seen.

Birds are not very abundant They are pretty well scattered but [illegible] very

principal features of the common species were seen.

Birds on the whole are not as tame as on other islands. The most abundant are

Geospiza.
fuliginosa
scandens
mockers
doves. others seen
~~were~~.
Pyrocephalus
~~[illegible]~~ Myiarchus
Certhidea

There is a great variation in the beaks and size of the finches ~~some~~ are

was shot with a
decidedly notched beak.
The following were observed

2 [illegible]
5 [illegible]
9 [illegible]
6 ravens
2 sanderlings.

Uchimura found 2 beds
of fossils, both were shell
about 10 feet above sea level.
They are shells of about the
testimony. Will investigate
them more thoroughly
tomorrow.

Found a pretty fresh
bundle nest today a pile
of sticks about 2 feet in
diameter and 2 feet or so high
on a rock on ledge. The

cavity on top was about
2 inches deep and ~~8~~ 10 inch
across. nest shown.
Yellow warbler, two birds
were seen near it.

Indefatigable Nov 20-05

Went down to the cliff where the fossils outcrop and from there down to nearly opposite Eden rocks.

Birds were not very abundant only saw:

Scandens common
fuliginosa common
fortis common
mockers common
Certhidia 1
Hawk 1
Dove common

There were scattering birds here and there and two or three small flocks. ~~Many~~ Several were seen around cactus, eating the pulp those shot in these places had very moist and wet beaks and a thick:

clipped [?] hanging ant-
[illegible] are within
[illegible] but not as
[illegible] so as [illegible].
We pulled up anchor about
12 o'clock and headed
for Seymour Is. Reached
a buoy on the east side of the
S. Seymour at about 4.30
and dropped anchor in
7 fathoms

Burse (Japanese)   Maytenus discoid thorn

S. Segura November 21—03

Went ashore in the ~~town~~ left side of Bay

There is a considerable sand dune all along the bay

behind this is a comparatively level area of sand covered ~~rather~~ thickly with Maytenus and discaria

There are few weeds in this portion but beyond the brush grows less and less and weeds more abundant. There are a ~~number~~ many of granite scattered over the reddish sand in this region.

Saw a few goats they were rather wild.

Birds are not particularly

abundant but they are
rather common. Those
seen were
Scandens common
Spotts "
Sterna 2
Fuliginosa common
Anaethetus common
Cirrhatus (Gifford) 2
Noddies 2.
Pyrrocephalus 1
Sterolus 3 or 4
The Sternii are
feeding on the berry of
Amaryllis.
Birds that is seabirds
are in small flocks.
[illegible] a 12 were shot in
one [illegible]. also [illegible]

simply but more rocky
up in the higher ridge to the
left were very few birds
mostly ptarmigans.
Warblers are not common
Supposed old are that has
the old plumage on lower
breast & belly and new
feathers further up.
Cuttlebirds seen none.
Ornithons are about
the same as in Kadekpat-
gable:

November 23-05

Went ashore early this am to a lagoon in the first bay south of where we are anchored

There were 13 or 14 ducks on the lagoon. Gifford took pictures of them - they are as usual very tame swimming up to investigate the camera I shot 10 of them after the ovaries & testicules are very well developed; nesting time must be near. There was a nice lunch of about 25 or 30 turn

stones on the rocks along the lagoon. At first they were rather tame, usually they are quite wild, and allowed close approach but they soon caught on and got away. The ducks are quick to ~~know~~ the dangers of a new acquaintance of man, quickly getting out of sight and range ~~when~~ after being shot at two or 3 times.

I saw two ~~[illegible]~~ along the beach that are.

A tattler was seen also one sanderling and a curlew. No other shore birds were noted

The following Sandpipers were seen

Sanders
Tatlis
[illegible]

all are quite common sanders being more so Few birds are in the full black plumage A few warblers were seen

I tried to find owls in the holes in the cliffs but did not find any owls. There are indications of owls aplenty but no birds were seen.

In the evening I went ashore to set traps and look for owls. I caught 4 rats but saw no owls. The rats seem to be out almost only in the evening none were caught after 8 o'clock. Williams had his lantern along and caught a three or four species of beetles and ~~two or three~~ 6 antlions and an ichneumon fly. They were quite abundant around the light and in under the trees were ~~seen~~ among big blocks 3 antlions ~~and~~ an ant lion and were caught.
Collecting was much better

than during the day.

S. Seymour November 23

I pulled up the hook and started for Daphney intending to lay to over there and then make Indefatigable in the late afternoon

Daphney Nov 23.

Went ashore a little after eight o'clock.

Had no trouble in making a landing.

This Daphney is an old volcano running up perhaps 300 feet. The crater is not broken out entirely a ridge about 75 feet high is left. The bottom is covered with fine white sand. The side of the crater in one place is covered with a thin growth of the peppermint tree. A few species of plants are found but not many. Mocking birds were seen in abundance.

In places Seafingas were
very common. They were
so far as I could see
Sanderling
Dotis
fuliginosa.
Seafinga nests are common
~~and~~ all that I saw were
in cotton trees.
Other species of land
birds seen were
Warbler one
Doves one
Kingfisher one
Hawks one
There are a number of nests
under small rocks, these
may be petrels, but
perhaps they are doves
their eggs at all [illegible]

enough for a dozen. Will
investigate later.
Prolific birds are very
common. They are found
very commonly in holes in
the rocks. When caught
their loud shrill cry
is almost ear splitting
Boobies are quite common
Webster nesting largely up
on the island and on the
outside. The brown booby
is nesting on the inside
of the crater.
When I got up to the
top of the island I saw
that the boat had got
away from the [illegible] & then
went over inside and
informed Beck and then

went to see where the
smile ~~was~~ on the rock
found him safe above
high tide and then went
to call schooner. after
half an hour or so. they
put off a boat to see what
was wanted. Beck, William
& Glenn went aboard
Boat came back for Gifford
King & myself. Just
as we reached the ~~boat~~ schooner
Gifford lost an oar. Went
after it. after a hard
row got back to schooner
Steed sail gotten for work
~~the~~ gig and we skiff
behind. Skiff caught
in bow of gig turned

main. got broke loose
& it off gig to pick it up
~~W~~ William, Ochsner & the mate
they picked up oars and
~~turned~~ boat over and
Ochsner & William came
back in the gig. Mast
caught on main sheet
and turned boat over
dumped W & O. in water
Both held on. Mate came
along picked them up
W & O came back to
schooner in the skiff
managed to pick them up
after several tacks and
a beautiful(?) exhibition of
sailing on part of Parker
after some more of the
same the mate was

picked up. Then
went after lost skiff
it was found about 12 o'clock
& picked up. Dr
the mining of White Ground
of the potatoes.
Started back for
Kapllumy. Buck, King
Glenn & William went
ashore about 2 P.M.
came off at 5. Sailed
for Goodefortygable. Dropped
anchor 7 P.M.

Blanket today

5 rats.
1 [illegible]
1 Scandium
1 Fork
1 [illegible]

Indefatigable
Friday Nov 24 -05
Stayed on board and
skinned birds all day
Skinned
13 tropic bird
1 [illegible] B.
1 [illegible] B.

Indefat. Nov 25-05
Went ashore 7 a.m.
Did not find birds very
abundant near where we
landed. There are a number
of Brown pelican nests
with nearly grown young
birds. Nests are on bushes
and on rocks. The
young utter a hoarse
croak and snap at one

when approached
There are a number of small
lagoons just in from the
beach but few water
birds are around them
seen

curlew
Semipalmated plover
Black bellied plover
One flamingo
Numbers herons are
very common along the
roads, Their yellow
crown knight herons were
~~taken~~ ~~seen~~ and several
great blue herons seen
are shot
Sea pigeons are not
common - one small

flock of them and
doves were seen. There
were in it 8 cardens
fortis, strenuus, fuliginus
and pisonalis
8 cardens is the most
abundant and pisonalis
the least. few
strenuus.
The following birds were
noted
pyrrhula 3 or 4
magnirostris 1
Anolees common
Thrush are
doves common
Cellulodos 2
Gracula fetid & G. fuliginosus
are fairly common 2 of
the former + several of the
latter were shot

November 26-05

Sunday stayed on board preparing for a two or 3 days trip into the interior of the island.

Nov 27-

Started with Ochsner & William for a trip into the interior of Indefat. Got in about 7 miles reached an elevation of 1160 feet. The country up to that seem to be made of [illegible]. Birds on the way up were not numerous

Finches common

Scandens "

fuliginosa "
pusmalis rare
pyrrhophthalmus rather common
migratoria " "
doves very common
Florida "
There were occasional flocks but birds for the most part one and common.
In the evening doves were noticed flying toward the [illegible] and in the morning about 7 they were going the other way.
In the evening after camp fire was lit the owls began coming around from were

seemed. I did not
hear their call. Only
short eared owls were
seen. Boreal owls
apparently are not at
all common at this place
~~they~~.
Beyond where we were
for about 3 miles or so
is country of apparently
the same sort. very
dry. It is apparently
impossible to get into
the green belt from this
side.
Slept little and
spent most of the night
dozing and keeping the
fire.

November 28

Water ran out so we had to start back for the ship. reached the landing place about 5 P.M.

November 29.

Stayed on board skinning birts and looking about

2 Shirt-tailed ...
3 tropic birds
1 variegated booby.
3 graceful petrel

November 30

Thanksgiving. Went ashore and killed doves with the rest of the crew, for a pie for dinner.

Indefatigable

Friday Dec 1st - 1905

Pulled up anchor and sailed for Duncan. Left Indef. for about 8 A.M. Did not get much wind until noon.

Dropped anchor at Duncan just before dark 6.30. on the south side of the island.

Duncan Dec 2-05

Went ashore early and started for the top. The island is very rocky but brush is not very thick. There is a great amount

of thorny stuff that could very well be disposed of. From the top bush becomes much thicker but access through it is rather easy. At about 900 feet the moss and lichen become much thicker. There are two species of orchids and three ferns and other plants that indicate wetter condition. Everything at this time is rather dry. The top - according to Barnicle was 1275 feet above sea level.

I went down the other side of the ridge and found a tortoise steamed her nest and pushed down

did not pay much
attention to shooting birds
Birds are not very
common. Polygonum is
scattered around all over
from sea level to the
top. A few calandrin
were seen in the valley
beyond the ridge
Scapulas was noted by the stream
Pyrocephalus abditus is within
canyon also.
magnirostris. But
few birds were seen
Thrushes are quite common
& came and sat within
a few feet of me when
I was skinning birds
and ate pieces of meat
and got them to them

When poking down one almost sat on my hat.
Reached the boat at
1 15
Stopped Ward for lunch with birds. seen
[illegible]
Gulls
Pelicans
Hudsonian Curlew
Yellow L. "
Hawk
Sanderlings

Duncan Dec 4th -05

Went up into the interior of the island with Beck, Ochsner, Stewart & the mate to get tortoise. I found two. Stewart packed out one. Ochsner one & myself one. They are small weighing about 50# skinned out. Birds were quite abundant on the other side of the ridge. Doves were very common and wild for the most part. Fuliginosa and scandens are quite common. These two species are the most abundant and are feeding in the bottom

of the older craters.
A number of boulas were seen
Of [illegible] was fairly common
Two stoneware were seen
Callirhoe were not common
a few were seen.
Fuliginosa is the most common and widely distributed species on the island.
There are many that are particularly light colored for the most part the plumage on all the birds is much worn.
The body of a rat was found that had probably been caught by an owl the last evening. I think this must be a peculiar species

It is much different from
the common rat, the only
species reported from Duncan
The fur is long and ~~so~~
silky. The color a rich
maltese. The tail seems
long. If it is the
common rat it is certainly
the most modified one I ever
saw. I will try
and catch some.
I set ten traps along
the beach this P.M.

Duncan Dec 5-05

Went ashore this a.m. to see the traps I set yesterday and to shoot some birds. I had five rats they are of the species referred to in yesterdays notes. I now think that this is one of the common rats Mus.

The traps were set close to the shore among the rocks. One rat was partialy eaten by others. Birds were not common. I saw one a tiny warbler and a few pelicans one pyrocephalus and one anogonoastes. They were close to the shore

Duncan Dec 6-05

Went up w side of rough hill and packed out one tortoise alone and one with Ochsner in the P.M. Birds were rather common all along the trail much more so than any day previous, that we have been here.

scandens
fuliginosa
pyrocephalus
fortis.

There were also number of doves.

Gifford shot one penguin in the afternoon near the landing place. It was the

rly we be sure
a curious act of the
sea lion has been noticed
at this place.
Heller + S. say that the
male seals seem to be
with one female. There
their are to several
The band is small. Early
in the week the ♂ with
the band was killed. The
next day 2 other males
~~was~~ ~~were~~ around one
thugelly longer they seemed
to be at swords points
one being master and
the other a hanger on.
That day the ~~ma~~ boss of
the band was killed and
the other took charge of the

flock. He seemed to be ~~[illegible]~~ acceptable to the cows.

Duncan Dec 5-05

Went up and packed tortoises brought out 2 today. Birds were not common one prostratus was seen a pair or two and many [illegible] and doves.

Duncan Dec 8-05

Went up into interior and packed out a big tortoise with a chanced bone that was diseased

for a few had been eating the leaves of mayloon. The crops of many off of them were very well filled

Thursday Saturday Dec 9
Went up and packed turtles Beck and the other fellow that have been camping came down in the P.M. and brought some turtles. This makes 34 turtles from this island for the week.

Sunday Dec 10
On board.

Duncan Dec. 11-05

Went up into the interior and skinned out a tortoise and packed him out. There are apparently many more tortoises in the entire portion of the island

Duncan Dec 12-05

It rained last night and early in the a.m. In all perhaps 1/4 inch, this seems to be the first rain for the year. Went up the side of the hill after birds. It rained slightly during the morning up to 10 a.m.

Birds were fairly abundant mostly ptilogonys. They are along the trail in single pairs and 3 or 4 birds I shot 20 or 25 in all 2 Spotis were seen and shot. Three or four certhidia were seen and two were secured.

A few magnirostris were seen and one shot. One Pyrocephalus was shot. In the Canyon at the landing place there were three pigeons they were

rather wild at first and
swam away. Coleman said
that they came back and
were around nearly all the
forenoon. One caught a
small fish near him. The
call of used by them sound
much like a tin horn.
They were gone when I came
down at noon.

10000
20

6 | 200000 (2 37
3 3 3 3
12 | 3 3
24
9 3
8 4
9 3

36

Ponta de Sa. Aguada

$H_2SO_4 + 2KCl = 2HCl + K_2SO_4$

~~$HCl + 2H_2O = CO_2$~~